

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2019 Levee Inspection Results

Reclamation District No. 2092 Dos Rios

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) | | | | |

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Reclamation District No. 2092 Dos Rios

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 San Joaquin River | | | Right | 3.71 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 3/12/2019 - 3/12/2019 | | | |
| DWR Inspector | Corey Fujitani | | | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|---|-------------------------------|--------------|----|------------------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 18 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Flood Preparedness & Training | | | | |
| DWR ID | DWR_RD2092_01_f_2012_18 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| LMA preparedness and training is adequate for flood response. | | | | | |

No Photos

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 24 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Operations & Maintenance Manuals | | | | |
| DWR ID | DWR_RD2092_01_s_2012_24 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| LMA has the O&M manual for their district. | | | | | |

No Photos

| | | | | | |
|---|--------------------------------|--------------|----|------------------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 26 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Emergency Supplies & Equipment | | | | |
| DWR ID | DWR_RD2092_01_s_2012_26 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| LMA has adequate flood fighting supplies. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.08 | Rating ** | U | Issue No. | 15 |
| LM End | 0.08 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.602526 ° | 37.602526 ° |
| | | | | -121.159584 ° | -121.159584 ° |
| DWR ID | DWR_RD2092_01_s_2019_15 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Remove large pruning pile along landside toe and slope. | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_15_20190313_00057.jpg



Large pruning pile along levee slope and toe. (Spring 2019)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.10 | Rating ** | M | Issue No. | 29 |
| LM End | 1.56 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.602433 ° | 37.587612 ° |
| | | | | -121.159959 ° | -121.162449 ° |
| DWR ID | DWR_RD2092_01_s_2019_29 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_29_20190313_00059.jpg



Moderate grassy vegetation along waterside slope. (Spring 2019)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.18 | Rating ** | U | Issue No. | 973 | |
| LM End | 0.18 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.602031 ° | 37.602031 ° | |
| | | | | -121.161249 ° | -121.161249 ° | |
| DWR ID | 20561 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53799 DS_ID:20561 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 03/12/2019 A thorough internal evaluation of this crossing is necessary. Pipe shows evidence of pipe integrity (LS) issues (pipe wall sections missing on LS inlet) and levee integrity issues (sink hole visible along LS pipe alignment). Internal inspection is recommended for this crossing to determine the extent of pipe damage through the levee. Pipe crosses the levee at an angle at a depth of about 19 feet. Recommend caution be taken at this crossing when driving over levee until additional information becomes available to determine condition of pipe through levee. Recommend cover be placed on riser to address safety concern (riser is 80 inches in diameter and about 19 feet deep). Slide gate appears to be blocked by sediment/debris preventing slide gate to work properly. Unable to confirm if the flap gate located on the WS is still broken (see photo from 2017). (O. Magana - DWR UCIP)09/24/2013 Pipe rusted through at headwall on LS toe. Good candidate for video inspection. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 60-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in an 80-inch corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 0.18)]. FS Date: 3/12/2019 12:05:00 PM | | | | | | |

Photo 1 of 3 : UCIP_SP_2019_53799_79055.jpg



Overview of levee with approximate pipe alignment (pipe angled through levee).

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.18 | Rating ** | U | Issue No. | 973 (cont) | |
| LM End | 0.18 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.602031 ° | 37.602031 ° | |
| | | | | -121.161249 ° | -121.161249 ° | |
| DWR ID | 20561 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53799 DS_ID:20561 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 03/12/2019 A thorough internal evaluation of this crossing is necessary. Pipe shows evidence of pipe integrity (LS) issues (pipe wall sections missing on LS inlet) and levee integrity issues (sink hole visible along LS pipe alignment). Internal inspection is recommended for this crossing to determine the extent of pipe damage through the levee. Pipe crosses the levee at an angle at a depth of about 19 feet. Recommend caution be taken at this crossing when driving over levee until additional information becomes available to determine condition of pipe through levee. Recommend cover be placed on riser to address safety concern (riser is 80 inches in diameter and about 19 feet deep). Slide gate appears to be blocked by sediment/debris preventing slide gate to work properly. Unable to confirm if the flap gate located on the WS is still broken (see photo from 2017). (O. Magana - DWR UCIP)09/24/2013 Pipe rusted through at headwall on LS toe. Good candidate for video inspection. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 60-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in an 80-inch corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 0.18)]. FS Date: 3/12/2019 12:05:00 PM | | | | | | |

Photo 2 of 3 : UCIP_SP_2019_53799_79054.jpg



LS view: overview of LS with sink hole visible along pipe alignment.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 974 |
| LM End | 0.19 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.601999 ° | 37.601999 ° |
| | | | | -121.161372 ° | -121.161372 ° |
| DWR ID | 20581 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:53815 DS_ID:20581 EP_NO: 6254A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/12/2019 Pipe has been altered on both WS and LS. A PVC pipe has been sleeved through an existing 22-inch pipe, no records have been found approving modification. This crossing appears abandoned, power source and power meter have been disconnected. Need to coordinate with CVFPB and owner. Crossing should be removed/abandoned properly per Title 23. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 22-inch steel drainage pipe through the levee, 0.5 feet below the crown. 18-inch polyvinyl chloride (PVC) pipe sleeved through the 22-inch steel pipe. 6-inch pad constructed over the pipes. This pumping plant was constructed in 1969 during emergency conditions without a permit. Replaced a 20-inch pipe at the same location. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:05:00 PM | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 974 (cont) |
| LM End | 0.19 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2019_53815_79066.jpg



Overview of levee looking d/s towards crossing.

Photo 2 of 3 : UCIP_SP_2019_53815_79067.jpg



Crown view: levee section raised at pipe crossing.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 974 (cont) |
| LM End | 0.19 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.601999 ° | 37.601999 ° |
| | | | | -121.161372 ° | -121.161372 ° |
| DWR ID | 20581 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:53815 DS_ID:20581 EP_NO: 6254A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/12/2019 Pipe has been altered on both WS and LS. A PVC pipe has been sleeved through an existing 22-inch pipe, no records have been found approving modification. This crossing appears abandoned, power source and power meter have been disconnected. Need to coordinate with CVFPB and owner. Crossing should be removed/abandoned properly per Title 23. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 22-inch steel drainage pipe through the levee, 0.5 feet below the crown. 18-inch polyvinyl chloride (PVC) pipe sleeved through the 22-inch steel pipe. 6-inch pad constructed over the pipes. This pumping plant was constructed in 1969 during emergency conditions without a permit. Replaced a 20-inch pipe at the same location. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:05:00 PM | | | | | |

Photo 3 of 3 : UCIP_SP_2019_53815_79064.jpg



Overview of levee crown at pipe crossing, photo taking looking d/s.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

Reclamation District No. 2092 Dos Rios

No Photos

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 976 |
| LM End | 0.19 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.601976 ° | 37.601976 ° |
| | | | | -121.161395 ° | -121.161395 ° |
| DWR ID | 20579 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:53830 DS_ID:20579 EP_NO: 6254 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/12/2019 Need to confirm fate of crossing through levee section. Levee logs indicate 14-inch pipe was removed in 2003 however, no documentation detailing extent of removal is available. Potential evidence of pipe recorded by UCIP Inspector W. Wylie in 2013. Unable to access WS toe due to high water, recommend inspecting crossing in early fall. (O. Magana - DWR UCIP) 09/24/2013 Verify pipe has been removed from levee. Pipe visible on WS at riverbank. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel drainage pipe over the levee with 3.5 feet of the fill on the top. Siphon breakers on the waterside (WS) shoulder. Pad constructed over pipes. This pumping plant was constructed in 1969 during emergency conditions without a permit. (20-inch pipe authorized to replace unauthorized 20-inch pipe and the removal of existing 12-inch and 14-inch pipe from levee section, work authorized under Permit No. 6254, 1968 - John and Robert Bogetti). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:06:00 PM | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 976 (cont) |
| LM End | 0.19 | Issue Type + | En | Location * | |

Photo 1 of 2 : UCIP_SP_2019_53830_35205.jpg



Pipe visible at rivers edge on WS toe.

Photo 2 of 2 : UCIP_SP_2019_53830_35204.jpg



Pipe visible at rivers edge on WS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.36 | Rating ** | M | Issue No. | 36 |
| LM End | 0.75 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.601353 ° | 37.597473 ° |
| | | | | -121.164330 ° | -121.168471 ° |
| DWR ID | DWR_RD2092_01_f_2018_36 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Remove vegetation along landside toe and slope. | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_36_20190307_00021.jpg



Vegetation along landside slope and toe obstructing view. (Fall 2018)

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.42 | Rating ** | M | Issue No. | 28 |
| LM End | 0.42 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.601207 ° | 37.601207 ° |
| | | | | -121.165508 ° | -121.165508 ° |
| DWR ID | DWR_RD2092_01_f_2014_28 | | | | |
| Comment Code | | | | | |
| PO : Pole | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.44 | Rating ** | M | Issue No. | 31 |
| LM End | 0.44 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.601149 ° | 37.601149 ° |
| | | | | -121.165772 ° | -121.165772 ° |
| DWR ID | DWR_RD2092_01_s_2018_31 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Remove small tree on waterward shoulder before tree is establish. | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_31_20190307_00014.jpg



Looking upstream at small tree on waterward should next to pole. (Spring 2018)

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.59 | Rating ** | M | Issue No. | 40 |
| LM End | 0.59 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 37.599406 ° | 37.599406 ° |
| | | | | -121.167083 ° | -121.167083 ° |
| DWR ID | DWR_RD2092_01_f_2018_40 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Vehicle tracks in landside slope should be repaired. | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_40_20190307_00024.jpg



Vehicle tracks on landside slope approximately 6" deep perpendicular to the slope. (Fall 2018)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.60 | Rating ** | M | Issue No. | 38 |
| LM End | 0.60 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.599372 ° | 37.599372 ° |
| | | | | -121.167123 ° | -121.167123 ° |
| DWR ID | DWR_RD2092_01_f_2018_38 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Brush on waterside shoulder should be removed. | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_38_20190307_00022.jpg



Brush on waterside shoulder should be cleared. (Fall 2018)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.61 | Rating ** | M | Issue No. | 21 |
| LM End | 0.61 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.599208 ° | 37.599208 ° |
| | | | | -121.167150 ° | -121.167150 ° |
| DWR ID | DWR_RD2092_01_s_2018_21 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Remove small tree on waterward shoulder before tree is established. | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_21_20190307_00011.jpg



Looking downstream at small tree on waterward slope. (Spring 2018)

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.76 | Rating ** | M | Issue No. | 968 |
| LM End | 1.31 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.597291 ° | 37.590568 ° |
| | | | | -121.168496 ° | -121.164028 ° |
| DWR ID | DWR_RD2092_01_s_2012_968 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_968_20190307_00027.jpg



View of agricultural ditch at the landward toe looking upstream.

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.79 | Rating ** | M | Issue No. | 42 |
| LM End | 0.83 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.596895 ° | 37.596351 ° |
| | | | | -121.168493 ° | -121.168360 ° |
| DWR ID | DWR_RD2092_01_f_2018_42 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.25 | Rating ** | M | Issue No. | 39 |
| LM End | 1.31 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.590936 ° | 37.590524 ° |
| | | | | -121.164819 ° | -121.163947 ° |
| DWR ID | DWR_RD2092_01_s_2017_39 | | | | |
| Comment Code | | | | | |
| C3 : Add appropriate gravel or road base. Grade and compact. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_39_20190307_00023.jpg



Looking upstream at rutting and depression on levee crown. (Spring 2018)

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.30 | Rating ** | M | Issue No. | 977 | |
| LM End | 1.30 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.590603 ° | 37.590603 ° | |
| | | | | -121.164111 ° | -121.164111 ° | |
| DWR ID | 20562 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53820 DS_ID:20562 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/12/2019 During UCIP visual inspection, no pipe or levee integrity issues were observed. Distribution box located on the WS is falling apart (bricks missing). This crossing is an active crossing however, no permit has been found authorizing crossing. Need to determine who maintains and operates this crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 4-foot by 6-foot concrete distribution box on the landside (LS) toe. 5-foot by 5-foot concrete riser on the WS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 1.31)]. FS Date: 3/12/2019 12:06:00 PM | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.30 | Rating ** | M | Issue No. | 977 (cont) |
| LM End | 1.30 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_SP_2019_53820_79073.jpg



Overview of pipe alignment through levee, photo taking looking d/s toward crossing.

Photo 2 of 3 : UCIP_SP_2019_53820_79078.jpg



WS view: approximate alignment on WS.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.30 | Rating ** | M | Issue No. | 977 (cont) | |
| LM End | 1.30 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.590603 ° | 37.590603 ° | |
| | | | | -121.164111 ° | -121.164111 ° | |
| DWR ID | 20562 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53820 DS_ID:20562 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/12/2019 During UCIP visual inspection, no pipe or levee integrity issues were observed. Distribution box located on the WS is falling apart (bricks missing). This crossing is an active crossing however, no permit has been found authorizing crossing. Need to determine who maintains and operates this crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 4-foot by 6-foot concrete distribution box on the landside (LS) toe. 5-foot by 5-foot concrete riser on the WS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 1.31)]. FS Date: 3/12/2019 12:06:00 PM | | | | | | |

Photo 3 of 3 : UCIP_SP_2019_53820_35213.jpg



Slide gate in 48-inch CMP riser on WS slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.30 | Rating ** | C | Issue No. | 34 |
| LM End | 1.53 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.590588 ° | 37.588044 ° |
| | | | | -121.164098 ° | -121.162216 ° |
| DWR ID | DWR_RD2092_01_f_2018_34 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Vegetation along landside toe has been removed. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.32 | Rating ** | C | Issue No. | 10 |
| LM End | 1.32 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.590467 ° | 37.590467 ° |
| | | | | -121.163822 ° | -121.163822 ° |
| DWR ID | DWR_RD2092_01_s_2012_10 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| A sand boil appeared on the landside toe of the levee because of an underground pipe leakage. The pipe and boil have been repaired but should be monitored. | | | | | |

No Photos

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.56 | Rating ** | M | Issue No. | 8 |
| LM End | 1.84 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.587575 ° | 37.584057 ° |
| | | | | -121.162454 ° | -121.162387 ° |
| DWR ID | DWR_RD2092_01_s_2012_8 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_8_20190307_00001.jpg



View of an agricultural ditch at the waterward toe of the slope.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.69 | Rating ** | U | Issue No. | 978 |
| LM End | 1.69 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.585938 ° | 37.585938 ° |
| | | | | -121.163348 ° | -121.163348 ° |
| DWR ID | 20563 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:53817 DS_ID:20563 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 03/12/2019 A thorough internal evaluation of this crossing is required, pipe shows evidence of pipe integrity (LS) issues (pipe wall sections missing on WS outlet). Internal inspection is recommended for this crossing to determine the extent of pipe damage through the levee. Maintenance issues identified at this crossing include: flap gate missing on WS, debris found inside concrete distribution box, and missing cover on riser. No permit has been identified for this crossing. Need to determine who maintains crossing; crossing appears functional. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 1.71)]. FS Date: 3/12/2019 12:07:00 PM | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.69 | Rating ** | U | Issue No. | 978 (cont) |
| LM End | 1.69 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_SP_2019_53817_79086.jpg



Overview of levee crown looking d/s towards pipe crossing.

Photo 2 of 3 : UCIP_SP_2019_53817_79087.jpg



WS view: overview of WS.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.69 | Rating ** | U | Issue No. | 978 (cont) | |
| LM End | 1.69 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.585938 ° | 37.585938 ° | |
| | | | | -121.163348 ° | -121.163348 ° | |
| DWR ID | 20563 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53817 DS_ID:20563 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 03/12/2019 A thorough internal evaluation of this crossing is required, pipe shows evidence of pipe integrity (LS) issues (pipe wall sections missing on WS outlet). Internal inspection is recommended for this crossing to determine the extent of pipe damage through the levee. Maintenance issues identified at this crossing include: flap gate missing on WS, debris found inside concrete distribution box, and missing cover on riser. No permit has been identified for this crossing. Need to determine who maintains crossing; crossing appears functional. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 1.71)]. FS Date: 3/12/2019 12:07:00 PM | | | | | | |

Photo 3 of 3 : UCIP_SP_2019_53817_79085.jpg



LS view: overview of LS.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.86 | Rating ** | M | Issue No. | 32 |
| LM End | 2.71 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.584005 ° | 37.576007 ° |
| | | | | -121.162040 ° | -121.157221 ° |
| DWR ID | DWR_RD2092_01_f_2018_32 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : SP_2019_RD2092_116_32_20190313_00060.jpg



Control grassy vegetation along waterside slope. (Spring 2019)

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.86 | Rating ** | M | Issue No. | 32 (cont) | |
| LM End | 2.71 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | Vegetation | | | 37.584005 ° | 37.576007 ° | |
| | | | | -121.162040 ° | -121.157221 ° | |
| DWR ID | DWR_RD2092_01_f_2018_32 | | | | | |
| Comment Code | | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 2 of 2 : SP_2019_RD2092_116_32_20190307_00015.jpg



Vegetation on waterside slope should be maintained. (Fall 2018)

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.92 | Rating ** | M | Issue No. | 37 |
| LM End | 1.98 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.584273 ° | 37.584361 ° |
| | | | | -121.161034 ° | -121.159955 ° |
| DWR ID | DWR_RD2092_01_s_2017_37 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.04 | Rating ** | M | Issue No. | 30 |
| LM End | 2.04 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.584272 ° | 37.584272 ° |
| | | | | -121.158851 ° | -121.158851 ° |
| DWR ID | DWR_RD2092_01_s_2019_30 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.07 | Rating ** | M | Issue No. | 979 |
| LM End | 2.07 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.584212 ° | 37.584212 ° |
| | | | | -121.158347 ° | -121.158347 ° |
| DWR ID | 20564 | | | | |

Comment Code

Inspector Comment

FS_ID:53814
DS_ID:20564
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 03/12/2019 Concrete headwall found on LS toe. Pipe appears to have been grouted through. No other appurtenances were found during inspection. WS outlet was not found. Need to coordinate with the CVFPB to determine if additional steps are needed to comply with Title 23. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Filled with concrete on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.10), 36-inch pipe listed].
FS Date: 3/12/2019 12:08:00 PM

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.07 | Rating ** | M | Issue No. | 979 (cont) |
| LM End | 2.07 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_SP_2019_53814_79091.jpg



Overview of levee crown, looking u/s from d/s, and approximate pipe alignment.

Photo 2 of 3 : UCIP_SP_2019_53814_79092.jpg



Overview of levee at crossing, photo taken u/s looking d/s towards pipe crossing.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 2.07 | Rating ** | M | Issue No. | 979 (cont) | |
| LM End | 2.07 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.584212 ° | | 37.584212 ° |
| | | | | -121.158347 ° | | -121.158347 ° |
| DWR ID | 20564 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53814 DS_ID:20564 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/12/2019 Concrete headwall found on LS toe. Pipe appears to have been grouted through. No other appurtenances were found during inspection. WS outlet was not found. Need to coordinate with the CVFPB to determine if additional steps are needed to comply with Title 23. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Filled with concrete on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.10), 36-inch pipe listed]. FS Date: 3/12/2019 12:08:00 PM | | | | | | |

Photo 3 of 3 : UCIP_SP_2019_53814_79093.jpg



LS view: concrete riser, power pole, and groundwater pump station.

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.07 | Rating ** | A/W | Issue No. | 43 |
| LM End | 2.07 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.584215 ° | 37.584215 ° |
| | | | | -121.158290 ° | -121.158290 ° |
| DWR ID | DWR_RD2092_01_f_2018_43 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Saplings appear to have been sprayed. Should be monitored or removed so they are unable establish. | | | | | |

Photo 1 of 2 : SP_2019_RD2092_116_43_20190313_00061.jpg



View of saplings along landside toe. (Spring 2019)

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|-------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start | 2.07 | Rating ** | A/W | Issue No. | 43 (cont) | |
| LM End | 2.07 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Trim / Thin Trees | | | 37.584215 ° | | 37.584215 ° |
| | | | | -121.158290 ° | | -121.158290 ° |
| DWR ID | DWR_RD2092_01_f_2018_43 | | | | | |
| Comment Code | | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | | |
| Inspector Comment | | | | | | |
| Saplings appear to have been sprayed. Should be monitored or removed so they are unable establish. | | | | | | |

Photo 2 of 2 : SP_2019_RD2092_116_43_20190307_00025.jpg



View of saplings along landside levee toe. (Fall 2018)

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.07 | Rating ** | M | Issue No. | 980 |
| LM End | 2.07 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.584182 ° | 37.584182 ° |
| | | | | -121.158286 ° | -121.158286 ° |
| DWR ID | 20565 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:53821 DS_ID:20565 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/12/2019 Need to confirm fate of crossing through levee section. No permit was found authorizing crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 6-inch pipe of an unknown material or purpose through the levee, 1.5 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:08:00 PM | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.18 | Rating ** | M | Issue No. | 33 |
| LM End | 2.22 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.583247 ° | 37.582851 ° |
| | | | | -121.156621 ° | -121.156119 ° |
| DWR ID | DWR_RD2092_01_s_2019_33 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.34 | Rating ** | M | Issue No. | 981 |
| LM End | 2.34 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.581226 ° | 37.581226 ° |
| | | | | -121.156175 ° | -121.156175 ° |
| DWR ID | 24680 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:53805 DS_ID:24680 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/12/2019 No permit was found authorizing modifications to existing crossing. New crossing was added at this levee section using the old appurtenances associated with USACE O&M Legacy system Pipe (dsid 20566). The pipe associated with dsid 20566 has been grouted through (see dsid 20566 detail report). Irrigation pipe is functional and pipe is being maintained. Unable to confirm if riser located on WS is being used with this crossing. Need to coordinate with CVFPB to determine owner and if permit was issued for the modifications of this crossing. (O. Magana - DWR UCIP) 09/24/2013 No permit identified for this crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 21-inch polyvinyl chloride (PVC) irrigation pipe through the levee, at an unknown depth. Pipe discharges into a concrete distribution box on the landside (LS) toe. Pump on pier off the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:08:00 PM | | | | | |

Photo 1 of 3 : UCIP_SP_2019_53805_79106.jpg



WS view: overview of WS.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|--------------|--|
| LM Start | 2.34 | Rating ** | M | Issue No. | 981 (cont) | |
| LM End | 2.34 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.581226° | 37.581226° | |
| | | | | -121.156175° | -121.156175° | |
| DWR ID | 24680 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53805 DS_ID:24680 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/12/2019 No permit was found authorizing modifications to existing crossing. New crossing was added at this levee section using the old appurtenances associated with USACE O&M Legacy system Pipe (dsid 20566). The pipe associated with dsid 20566 has been grouted through (see dsid 20566 detail report). Irrigation pipe is functional and pipe is being maintained. Unable to confirm if riser located on WS is being used with this crossing. Need to coordinate with CVFPB to determine owner and if permit was issued for the modifications of this crossing. (O. Magana - DWR UCIP) 09/24/2013 No permit identified for this crossing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 21-inch polyvinyl chloride (PVC) irrigation pipe through the levee, at an unknown depth. Pipe discharges into a concrete distribution box on the landside (LS) toe. Pump on pier off the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:08:00 PM | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.34 | Rating ** | M | Issue No. | 981 (cont) |
| LM End | 2.34 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2019_53805_79105.jpg



Overview of levee crown looking d/s towards crossing.

Photo 3 of 3 : UCIP_SP_2019_53805_79104.jpg



LS view: overview of LS.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.34 | Rating ** | M | Issue No. | 982 |
| LM End | 2.34 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.581213 ° | 37.581213 ° |
| | | | | -121.156175 ° | -121.156175 ° |
| DWR ID | 20566 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:54051 DS_ID:20566 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/12/2019 Concrete distribution box found on LS with evidence that 24-inch pipe was going through levee. Pipe appears to have been grouted through. Riser is still present on WS however, unable to determine if pipe was grouted all the way through the levee section. Concrete distribution box is currently being used by an unauthorized pipe encroachment (see DSID 24680). Lid missing from CMP riser. Owner needs to add lid to riser to prevent entry in confined space. Need to coordinate with the CVFPB to determine how to address abandoned appurtenances and pipe abandonment. (O. Magana - DWR UCIP) 09/24/2013 Pipe appears abandoned and needs to be verified as having been done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation pipe through the levee, 11 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 5-foot by 5-foot concrete distribution box on the landside (LS). Pump on platform in the channel. Pipe filled with concrete on the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.38)]. FS Date: 3/12/2019 12:09:00 PM | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.34 | Rating ** | M | Issue No. | 982 (cont) |
| LM End | 2.34 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2019_54051_79112.jpg



WS view: overview of WS.

Photo 2 of 3 : UCIP_SP_2019_54051_79111.jpg



Overview of levee crown looking d/s looking towards crossing.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.34 | Rating ** | M | Issue No. | 982 (cont) | |
| LM End | 2.34 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.581213 ° | 37.581213 ° | |
| | | | | -121.156175 ° | -121.156175 ° | |
| DWR ID | 20566 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:54051 DS_ID:20566 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/12/2019 Concrete distribution box found on LS with evidence that 24-inch pipe was going through levee. Pipe appears to have been grouted through. Riser is still present on WS however, unable to determine if pipe was grouted all the way through the levee section. Concrete distribution box is currently being used by an unauthorized pipe encroachment (see DSID 24680). Lid missing from CMP riser. Owner needs to add lid to riser to prevent entry in confined space. Need to coordinate with the CVFPB to determine how to address abandoned appurtenances and pipe abandonment. (O. Magana - DWR UCIP) 09/24/2013 Pipe appears abandoned and needs to be verified as having been done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation pipe through the levee, 11 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 5-foot by 5-foot concrete distribution box on the landside (LS). Pump on platform in the channel. Pipe filled with concrete on the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.38)]. FS Date: 3/12/2019 12:09:00 PM | | | | | | |

Photo 3 of 3 : UCIP_SP_2019_54051_79110.jpg



LS view: overview of LS.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.37 | Rating ** | M | Issue No. | 20 |
| LM End | 2.37 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.580821 ° | 37.580821 ° |
| | | | | -121.156468 ° | -121.156468 ° |
| DWR ID | DWR_RD2092_01_f_2014_20 | | | | |
| Comment Code | | | | | |
| PO : Pole | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_20_20190307_00010.jpg



View of the pole on the landside slope of the levee looking upstream.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.40 | Rating ** | M | Issue No. | 983 | |
| LM End | 2.40 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.580426 ° | 37.580426 ° | |
| | | | | -121.156798 ° | -121.156798 ° | |
| DWR ID | 20567 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:54052 DS_ID:20567 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/12/2019 Unable to locate concrete headwall on the WS due to high water. Unable to locate concrete headwall on LS due to dense vegetation. No permit was found authorizing crossing. If crossing is no longer in use recommend removing crossing and appurtenances from levee. Need to coordinate with CVFPB to determine pipe owner. (O. Magana - DWR UCIP) 09/24/2013 Appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Concrete headwall on the landside (LS) toe next to pump. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.44)]. FS Date: 3/12/2019 12:09:00 PM | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.40 | Rating ** | M | Issue No. | 983 (cont) |
| LM End | 2.40 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2019_54052_79119.jpg



WS view: overview of WS.

Photo 2 of 3 : UCIP_SP_2019_54052_79118.jpg



Overview of levee crown looking d/s towards crossing.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.40 | Rating ** | M | Issue No. | 983 (cont) | |
| LM End | 2.40 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.580426 ° | 37.580426 ° | |
| | | | | -121.156798 ° | -121.156798 ° | |
| DWR ID | 20567 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:54052 DS_ID:20567 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/12/2019 Unable to locate concrete headwall on the WS due to high water. Unable to locate concrete headwall on LS due to dense vegetation. No permit was found authorizing crossing. If crossing is no longer in use recommend removing crossing and appurtenances from levee. Need to coordinate with CVFPB to determine pipe owner. (O. Magana - DWR UCIP) 09/24/2013 Appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Concrete headwall on the landside (LS) toe next to pump. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.44)]. FS Date: 3/12/2019 12:09:00 PM | | | | | | |

Photo 3 of 3 : UCIP_SP_2019_54052_79117.jpg



LS view: overview of LS.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.41 | Rating ** | M | Issue No. | 984 |
| LM End | 2.41 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.580405 ° | 37.580405 ° |
| | | | | -121.156825 ° | -121.156825 ° |
| DWR ID | 20568 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:53808 DS_ID:20568 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/12/2019 No permit was found authorizing crossing. Crossing appears to be abandoned, if crossing is abandoned, owner will need to coordinate with CVFPB to comply with Title 23. (O. Magana - DWR UCIP) 09/24/2013 Pipe abandoned and should be verified as having been removed from the levee. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 4-inch drainage pipe of an unknown material through the levee, 1 foot below the crown. Pump on sump at the landside (LS) toe. Roadway extending to the LS pump. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:10:00 PM | | | | | |

Photo 1 of 3 : UCIP_SP_2019_53808_79126.jpg



WS view: overview of WS.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.41 | Rating ** | M | Issue No. | 984 (cont) |
| LM End | 2.41 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2019_53808_79125.jpg



Overview of levee crown.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.41 | Rating ** | M | Issue No. | 984 (cont) | |
| LM End | 2.41 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.580405 ° | 37.580405 ° | |
| | | | | -121.156825 ° | -121.156825 ° | |
| DWR ID | 20568 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53808 DS_ID:20568 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/12/2019 No permit was found authorizing crossing. Crossing appears to be abandoned, if crossing is abandoned, owner will need to coordinate with CVFPB to comply with Title 23. (O. Magana - DWR UCIP) 09/24/2013 Pipe abandoned and should be verified as having been removed from the levee. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 4-inch drainage pipe of an unknown material through the levee, 1 foot below the crown. Pump on sump at the landside (LS) toe. Roadway extending to the LS pump. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:10:00 PM | | | | | | |

Photo 3 of 3 : UCIP_SP_2019_53808_79124.jpg



LS view: overview of LS.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.42 | Rating ** | U | Issue No. | 25 |
| LM End | 2.42 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.580202 ° | 37.580202 ° |
| | | | | -121.156904 ° | -121.156904 ° |
| DWR ID | DWR_RD2092_01_f_2018_25 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| View of landside slope completely obstructed up vegetation. | | | | | |

Photo 1 of 2 : SP_2019_RD2092_116_25_20190313_00062.jpg



View of vegetation along landside slope looking downstream. (Spring 2019)

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|---------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 2.42 | Rating ** | U | Issue No. | 25 (cont) | |
| LM End | 2.42 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 37.580202 ° | | 37.580202 ° |
| | | | | -121.156904 ° | | -121.156904 ° |
| DWR ID | DWR_RD2092_01_f _ 2018_25 | | | | | |
| Comment Code | | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | | |
| Inspector Comment | | | | | | |
| View of landside slope completely obstructed up vegetation. | | | | | | |

Photo 2 of 2 : SP_2019_RD2092_116_25_20190307_00012.jpg



View of vegetation along landside slope looking upstream. (Fall 2018)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.53 | Rating ** | M | Issue No. | 41 |
| LM End | 2.69 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.578657 ° | 37.576327 ° |
| | | | | -121.156997 ° | -121.157231 ° |
| DWR ID | DWR_RD2092_01_s_2019_41 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_41_20190313_00063.jpg



View of brush along landside slope looking upstream. (Spring 2019)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.55 | Rating ** | U | Issue No. | 19 |
| LM End | 2.55 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.578333 ° | 37.578333 ° |
| | | | | -121.157011 ° | -121.157011 ° |
| DWR ID | DWR_RD2092_01_s_2018_19 | | | | |
| Comment Code | | | | | |
| V7 : Trees / Woody Vegetation | | | | | |
| Inspector Comment | | | | | |
| Palm tree at landward toe should be removed. | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_19_20190307_00009.jpg



Looking at Palm tree at landward toe. (Spring 2018)

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.59 | Rating ** | U | Issue No. | 44 |
| LM End | 2.61 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.577789 ° | 37.577496 ° |
| | | | | -121.157090 ° | -121.157123 ° |
| DWR ID | DWR_RD2092_01_f_2018_44 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are several burrows along the landside slope that need to be backfilled. | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_44_20190307_00026.jpg



View of animal burrows looking upstream. (Fall 2018)

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.61 | Rating ** | M | Issue No. | 22 |
| LM End | 2.61 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.577387° | 37.577387° |
| | | | | -121.157133° | -121.157133° |
| DWR ID | DWR_RD2092_01_f_2014_22 | | | | |
| Comment Code | | | | | |
| PO : Pole | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.63 | Rating ** | U | Issue No. | 17 |
| LM End | 2.76 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.577186° | 37.575364° |
| | | | | -121.157159° | -121.157093° |
| DWR ID | DWR_RD2092_01_s_2018_17 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several large rodent holes within this reach need to be backfilled. | | | | | |

Photo 1 of 4 : SP_2019_RD2092_116_17_20190307_00005.jpg



Looking upstream on waterward slope at several large rodent holes. (Spring 2018)

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 2.63 | Rating ** | U | Issue No. | 17 (cont) | |
| LM End | 2.76 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Animal Control | | | 37.577186 ° | | 37.575364 ° |
| | | | | -121.157159 ° | | -121.157093 ° |
| DWR ID | DWR_RD2092_01_s_2018_17 | | | | | |
| Comment Code | | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | | |
| Inspector Comment | | | | | | |
| Several large rodent holes within this reach need to be backfilled. | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.63 | Rating ** | U | Issue No. | 17 (cont) |
| LM End | 2.76 | Issue Type + | Ma | Location * | WS |

Photo 2 of 4 : SP_2019_RD2092_116_17_20190307_00006.jpg



Looking at typical large rodent holes on waterward slope. (Spring 2018)

Photo 3 of 4 : SP_2019_RD2092_116_17_20190307_00007.jpg



Looking upstream at large rodent holes on waterward slope. (Spring 2018)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.63 | Rating ** | U | Issue No. | 17 (cont) |
| LM End | 2.76 | Issue Type + | Ma | Location * | WS |

Photo 4 of 4 : SP_2019_RD2092_116_17_20190307_00008.jpg



Looking downstream at several rodent holes on waterward slope. (Spring 2018)

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.69 | Rating ** | M | Issue No. | 23 |
| LM End | 2.69 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.576363 ° | 37.576363 ° |
| | | | | -121.157212 ° | -121.157212 ° |
| DWR ID | DWR_RD2092_01_f_2014_23 | | | | |
| Comment Code | | | | | |
| PO : Pole | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.74 | Rating ** | M | Issue No. | 45 |
| LM End | 2.74 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.575514 ° | 37.575514 ° |
| | | | | -121.157140 ° | -121.157140 ° |
| DWR ID | DWR_RD2092_01_s_2019_45 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| Depression and rutting in levee crown should be repaired. | | | | | |

Photo 1 of 2 : SP_2019_RD2092_116_45_20190313_00069.jpg



View of rutting along levee crown. (Spring 2019)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.74 | Rating ** | M | Issue No. | 45 (cont) |
| LM End | 2.74 | Issue Type + | Ma | Location * | CR |

Photo 2 of 2 : SP_2019_RD2092_116_45_20190313_00070.jpg



View of depression in levee crown. (Spring 2019)

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.77 | Rating ** | M | Issue No. | 27 |
| LM End | 2.77 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.575182 ° | 37.575182 ° |
| | | | | -121.157007 ° | -121.157007 ° |
| DWR ID | DWR_RD2092_01_f_2017_27 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_27_20190307_00013.jpg



View of a fence on the landside toe of the levee looking downstream.

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.79 | Rating ** | M | Issue No. | 985 |
| LM End | 2.79 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.575002 ° | 37.575002 ° |
| | | | | -121.156753 ° | -121.156753 ° |
| DWR ID | 20569 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:53813 DS_ID:20569 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/12/2019 Need to confirm fate of crossing through levee section. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.83)]. FS Date: 3/12/2019 12:10:00 PM | | | | | |

Photo 1 of 3 : UCIP_SP_2019_53813_79128.jpg



LS view: overview of LS.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 2.79 | Rating ** | M | Issue No. | 985 (cont) | |
| LM End | 2.79 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 37.575002 ° | | 37.575002 ° |
| | | | | -121.156753 ° | | -121.156753 ° |
| DWR ID | 20569 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53813 DS_ID:20569 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/12/2019 Need to confirm fate of crossing through levee section. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.83)]. FS Date: 3/12/2019 12:10:00 PM | | | | | | |

Photo 2 of 3 : UCIP_SP_2019_53813_79129.jpg



Overview of levee crown where crossing should be.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.79 | Rating ** | M | Issue No. | 985 (cont) |
| LM End | 2.79 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2019_53813_79130.jpg



WS view: overview of WS.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.79 | Rating ** | M | Issue No. | 972 |
| LM End | 3.05 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.574973 ° | 37.574001 ° |
| | | | | -121.156647 ° | -121.152183 ° |
| DWR ID | DWR_RD2092_01_f_2018_972 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Barbed wire fence on waterside toe of the levee. | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_972_20190307_00028.jpg



View of barbed wire fence along the waterward slope looking upstream.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.82 | Rating ** | U | Issue No. | 35 |
| LM End | 3.01 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.574869 ° | 37.574141 ° |
| | | | | -121.156247 ° | -121.152762 ° |
| DWR ID | DWR_RD2092_01_s_2017_35 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 3 : SP_2019_RD2092_116_35_20190313_00064.jpg



Squirrels observed along waterside slope. (Spring 2019)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.82 | Rating ** | U | Issue No. | 35 (cont) |
| LM End | 3.01 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : SP_2019_RD2092_116_35_20190313_00065.jpg



View of typical rodent holes. (Spring 2019)

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 2.82 | Rating ** | U | Issue No. | 35 (cont) | |
| LM End | 3.01 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Animal Control | | | 37.574869 ° | | 37.574141 ° |
| | | | | -121.156247 ° | | -121.152762 ° |
| DWR ID | DWR_RD2092_01_s_2017_35 | | | | | |
| Comment Code | | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 3 of 3 : SP_2019_RD2092_116_35_20190313_00066.jpg



View of several rodent burrows along waterside slope. (Spring 2019)

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.86 | Rating ** | M | Issue No. | 986 |
| LM End | 2.86 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.574741 ° | 37.574741 ° |
| | | | | -121.155495 ° | -121.155495 ° |
| DWR ID | 20570 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:53810 DS_ID:20570 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/12/2019 Unable to locate concrete headwall on the WS. Concrete headwall is still visible on the LS however, this crossing appears to be abandoned. No permit was found authorizing crossing. If crossing is no longer in use recommend removing crossing and appurtenances from levee. (O. Magana - DWR UCIP) 09/24/2013 Appears abandoned and if so, should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961]. FS Date: 3/12/2019 12:11:00 PM | | | | | |

Photo 1 of 3 : UCIP_SP_2019_53810_79135.jpg



Overview of levee at crossing, photo taken d/s looking u/s towards crossing.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.86 | Rating ** | M | Issue No. | 986 (cont) | |
| LM End | 2.86 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.574741 ° | 37.574741 ° | |
| | | | | -121.155495 ° | -121.155495 ° | |
| DWR ID | 20570 | | | | | |

Comment Code

Inspector Comment

FS_ID:53810
DS_ID:20570
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 03/12/2019 Unable to locate concrete headwall on the WS. Concrete headwall is still visible on the LS however, this crossing appears to be abandoned. No permit was found authorizing crossing. If crossing is no longer in use recommend removing crossing and appurtenances from levee. (O. Magana - DWR UCIP)
09/24/2013 Appears abandoned and if so, should be done so properly. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961].
FS Date: 3/12/2019 12:11:00 PM

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.86 | Rating ** | M | Issue No. | 986 (cont) |
| LM End | 2.86 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_SP_2019_53810_79136.jpg



Overview of levee at crossing, photo taken u/s looking d/s towards crossing.

Photo 3 of 3 : UCIP_SP_2019_53810_79140.jpg



LS view: heavy burrow activity observed on LS slope.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.88 | Rating ** | M | Issue No. | 16 |
| LM End | 2.88 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.574624 ° | 37.574624 ° |
| | | | | -121.155045 ° | -121.155045 ° |
| DWR ID | DWR_RD2092_01_f_2018_16 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2019_RD2092_116_16_20190307_00004.jpg



Vegetation along landside slope. (Fall 2018)

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.46 | Rating ** | M | Issue No. | 987 | |
| LM End | 3.46 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.573289 ° | 37.573289 ° | |
| | | | | -121.144813 ° | -121.144813 ° | |
| DWR ID | 20571 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53818 DS_ID:20571 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 03/12/2019 Need to confirm fate of crossing through levee section. No permit was found authorizing crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: Underground telephone cable sign on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:11:00 PM | | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

Reclamation District No. 2092 Dos Rios

Overview of levee crown looking u/S towards crossing.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2092 Dos Rios

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 3.71 | 03/12/2019 03/12/2019 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.47 | Rating ** | M | Issue No. | 988 (cont) | |
| LM End | 3.47 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.573304 ° | 37.573304 ° | |
| | | | | -121.144747 ° | -121.144747 ° | |
| DWR ID | 20572 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:53786 | | | | | | |
| DS_ID:20572 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 03/12/2019 No permit was found authorizing crossing. Unable to confirm if crossing is in use. Recommend adding cover to riser to address safety concern. No slide gate was found in CMP riser. If crossing is no longer in use, recommend proper abandonment or removal from levee. Owner will need to coordinate with CVFPB to be compliant with Title 23. (O. Magana - DWR UCIP) | | | | | | |
| 09/24/2013 This pipe appears abandoned and if so, should be done so properly. (W. Wylie - DWR UCIP) | | | | | | |
| FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 3.52)]. | | | | | | |
| FS Date: 3/12/2019 12:11:53 PM | | | | | | |

Photo 3 of 3 : UCIP_SP_2019_53786_79144.jpg



LS view: overview of land use on LS.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|